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ENEACRO ENRH3201

ENEACRO 1-1/4 Inch SDS-Plus 13 Amp Heavy Duty Rotary Hammer Drill

Model: ENRH3201

Introduction

The ENEACRO ENRH3201 Rotary Hammer Drill is a high-performance, heavy-duty tool designed for demanding concrete work, drilling, and demolition tasks. Featuring a powerful 13 Amp motor and 5.5 ft/lbs (7.4 joules) of impact energy, it offers four versatile functions to adapt to various work scenarios. Its thoughtful design incorporates safety features and vibration control for enhanced user comfort and efficiency.

Figure 1: ENEACRO ENRH3201 Rotary Hammer Drill with included accessories.

What's Included

Your ENEACRO ENRH3201 package includes the following components:

- ENRH3201 Rotary Hammer Drill (1 unit)
- SDS-Plus Drill Bits (8mm, 10mm, 12mm) (3 units)
- SDS-Plus 10-inch Chisel (Point) (1 unit)
- SDS-Plus 10-inch Chisel (Flat) (1 unit)
- Auxiliary Handle (1 unit)
- Replaceable Carbon Brush (1 set)
- Lubricant Grease (1 tube)
- Dust Proof Cap (1 unit)
- Carrying Case (1 unit)

- Spanner (1 unit)

Figure 2: Key components and features of the rotary hammer drill.

Specifications

Feature	Specification
Brand	ENEACRO
Model Number	ENRH3201
Power Source	Corded Electric
Voltage	120 Volts

Feature	Specification
Amperage	13 Amps
Maximum Power	1500 Watts
Item Torque	5.5 Foot Pounds (7.4 Joules)
Maximum Rotational Speed	820 RPM
Maximum Impact Frequency	4200 bpm
Maximum Chuck Size	1.25 Inches
Drilling Capacity (Concrete)	1.25 Inches
Drilling Capacity (Metal)	0.5 Inches
Item Weight	12.6 Pounds
Product Dimensions	15.35"L x 10.24"W x 4.53"H
Special Features	Vibration Control Handle, 360° Adjustable Handle, Safety Clutch, Keyless Chuck, Magnesium-aluminum Alloy Housing

Figure 3: Physical dimensions and weight of the ENRH3201.

Safety Information

Always prioritize safety when operating power tools. Read and understand all instructions before use. Failure to follow these guidelines may result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, and work gloves. A dust mask is recommended when drilling into masonry or concrete.
- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Ensure proper ventilation.
- **Secure Workpiece:** Always secure the workpiece to prevent movement during operation. Use clamps or a vise when possible.
- **Proper Grip:** Maintain a firm grip on the tool with both hands, especially when using the hammer or chisel functions. The 360° adjustable handle provides optimal control.

- **Avoid Overreaching:** Maintain proper footing and balance at all times. Do not overreach.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Do not abuse the cord. Keep the cord away from heat, oil, sharp edges, or moving parts.
- **Safety Clutch:** The integrated safety clutch is designed to protect the user's wrist from high torque forces if the bit binds. Be aware of this feature and maintain a secure grip.
- **Cooling System:** The efficient cooling system protects the motor from overheating. Ensure vents are clear during operation.

Figure 4: The safety clutch protects against high torque forces.

Setup

Attaching the Auxiliary Handle

The auxiliary handle provides additional control and stability during operation. It can be rotated 360° to suit your

working position.

1. Loosen the auxiliary handle by twisting it counter-clockwise.
2. Slide the handle onto the front of the drill body.
3. Rotate the handle to your desired position.
4. Tighten the handle by twisting it clockwise until secure.

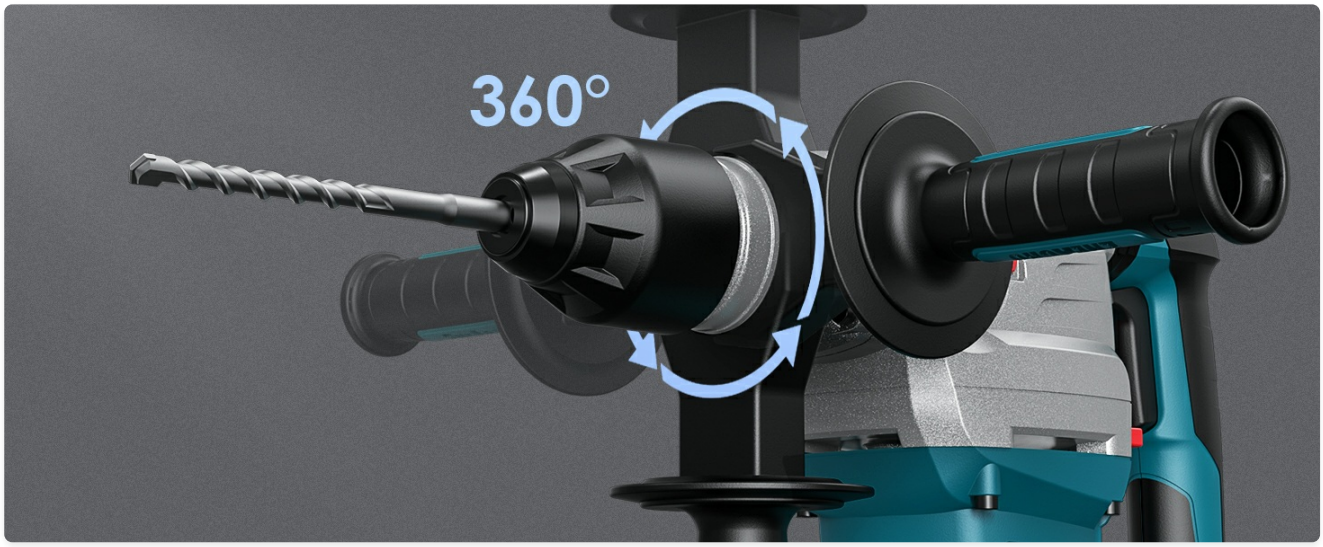

Figure 5: The auxiliary handle can be adjusted 360° for optimal grip.

Inserting SDS-Plus Bits

The SDS-Plus chuck allows for quick and secure bit changes without the need for additional tools.

1. Clean the shank of the drill bit or chisel.
2. Pull back the chuck collar on the front of the drill.
3. Insert the SDS-Plus bit into the chuck until it clicks into place.
4. Release the chuck collar. Pull on the bit to ensure it is securely locked. There should be a slight amount of play, which is normal for SDS-Plus systems.

Figure 6: The SDS-Plus keyless chuck for easy bit changes.

Operating Modes

The ENRH3201 offers four distinct operating modes, easily selectable via the function switches:

- **Drill Only Mode:** Ideal for drilling into wood, metal, plastic, and other non-masonry materials.
- **Hammer Only Mode:** For chiseling, breaking, or demolishing concrete, brick, and masonry without rotation.
- **Hammer Drill Mode:** Combines rotation with hammering action for efficient drilling into concrete, stone, and

bricks.

- **Chisel Position Adjustment:** Allows for adjusting the angle of the chisel for optimal working position.

Figure 7: Double function switches design for easy mode selection.

Switching Modes

To switch between modes, locate the function switches on the tool body. The double function switch design enhances durability compared to single switch designs.

Figure 8: The main function switch for selecting operating modes.

Demonstration of Functions

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Video 1: Official ENEACRO demonstration of the 1500W Rotary Hammer Drill (ENRH3201) in various operating modes, including drilling, chiseling, and ground slotting.

Figure 9: Demolishing brickwork with high power and efficiency.

Figure 10: Drilling into concrete with precision.

Figure 11: Performing ground slotting tasks.

Figure 12: Efficiently dismantling floor materials.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your rotary hammer drill.

Lubrication

The rotary hammer requires periodic lubrication to maintain its hammering mechanism. Use the provided lubricant grease or a suitable equivalent.

1. Locate the grease pot cap on the top of the tool.
2. Use the provided spanner to open the cap.
3. Apply a small amount of lubricant grease into the pot.
4. Securely close the cap with the spanner.
5. Additionally, apply a thin layer of grease to the shank of SDS-Plus bits before insertion to reduce wear.

Figure 13: The grease pot for internal lubrication.

Carbon Brush Replacement

Carbon brushes are wear-and-tear components that need periodic inspection and replacement to ensure consistent motor performance.

1. Locate the carbon brush covers on the sides of the motor housing.
2. Use a screwdriver to remove the covers.
3. Carefully remove the old carbon brushes.

4. Insert the new carbon brushes, ensuring they are correctly oriented.
5. Replace the covers and tighten them securely.

Figure 14: Replaceable carbon brushes for motor maintenance.

Cooling System Maintenance

The drill features an efficient cooling system to prevent overheating. Regularly inspect the air vents for any blockages from dust or debris. Clean them as needed to ensure proper airflow.

Figure 15: Airflow diagram of the efficient cooling system.

Troubleshooting

This section provides solutions to common issues you might encounter with your ENEACRO Rotary Hammer Drill.

Problem	Possible Cause	Solution
Tool does not start	No power supply	Check power cord, outlet, and circuit breaker.
Reduced hammering/drilling performance	Insufficient lubrication; Worn carbon brushes; Dull bit	Apply lubricant grease; Replace carbon brushes; Replace or sharpen bit.
Overheating	Blocked air vents; Prolonged heavy use	Clean air vents; Allow tool to cool down; Reduce load.
Bit gets stuck	Bit binding in material; Over-drilling	Activate safety clutch (if applicable); Carefully remove bit; Avoid excessive force.

Warranty & Support

ENEACRO offers a **24 Months Defect Free Warranty** for your rotary hammer drill. This warranty covers manufacturing defects and ensures your product performs as expected.

For any questions, technical assistance, or warranty claims, please contact ENEACRO customer support:

- **Email:** contact@eneacro.com
- **Response Time:** You can expect a reply within 12 working hours.

Please have your model number (ENRH3201) and purchase details ready when contacting support to expedite the process.

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